

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A device ~~Device~~ for the implantation of occlusion helixes ~~[(3)]~~ that can be separated by electrolysis in blood vessels and body cavities, ~~especially~~ such as aneurysms ~~[(12)]~~, said device comprising:

an insertion aid ~~[(4)]~~;

at least one occlusion helix ~~[(3)]~~ that is distally arranged in relation to the insertion aid ~~[(4)]~~, the at least one occlusion helix comprising a longitudinally-oriented lumen;

a securing means extending through the lumen to a distal front section of the at least one occlusion helix; and

at least one electrolytically corrodible severance element ~~[(2)]~~, with at least one stabilization helix ~~[(5)]~~ being arranged between the at least one electrolytically corrodible severance element ~~[(2)]~~ and the at least one occlusion helix ~~[(3)]~~, ~~characterized in that~~

said stabilization helix ~~[(5)]~~ being connected to ~~with~~ the at least one occlusion helix ~~[(3)]~~ ~~by~~ with an electrically isolating adhesion layer ~~[(7)]~~ such that the at least one occlusion helix ~~[(3)]~~ becomes isolated from ~~the voltage when~~ an electrical voltage when the electrical voltage is applied to the at least one electrolytically corrodible severance element ~~[(2)]~~.

wherein said at least one securing means is connected to the distal front section of the at least one occlusion helix with a distal electrically isolating distal adhesion layer.

2. (Currently Amended) The device according to claim 1, ~~characterized in that~~ wherein the stabilization helix ~~[(5)]~~ ~~is provided with~~ comprises an electrically isolating coating ~~[(11)]~~.

3. (Currently Amended) The device according to claim 1 ~~or 2~~, ~~characterized in that~~ a wherein the securing means ~~[(6)]~~ extends longitudinally through the lumen of the occlusion helix ~~[(3)]~~.

4. (Currently Amended) The device according to claim 1,3, ~~characterized in that~~ wherein the securing means ~~[(6)]~~ ~~consists of~~ comprises a material having shape-memory properties.

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5. (Currently Amended) The device according to claim 4, ~~characterized in that~~ wherein the securing means ~~[[6]]~~ is configured to undergoes transformation and assume~~[[s]]~~ a previously impressed structure configuration when placed into the blood vessel or body cavity.

6. (Currently Amended) The device according to claim 1, 4 or 5, ~~characterized in that~~ wherein the securing means ~~[[6]]~~ consists of comprises Nitinol.

7. (Currently Amended) ~~The device~~ Device according to claim 1, ~~any one of the claims 3 to 6, characterized in that~~ wherein at least one securing means ~~[[6]]~~ extends from the stabilization helix ~~[[5]]~~ to the distal front section ~~[[8]]~~ of the at least one occlusion helix ~~[[3]]~~.

8. (Currently Amended) ~~The device~~ Device according to claim 7, ~~characterized in that~~ wherein said at least one securing means ~~[[6]]~~ is connected with the distal front section ~~[[8]]~~ of the at least one occlusion helix ~~[[3]]~~ via an electrically isolating distal adhesion layer ~~[[9]]~~ ~~which serves~~ configured to isolate the occlusion helix ~~[[3]]~~ from an electrical voltage applied to the severance element ~~[[2]]~~.

9. (Currently Amended) The device according to claim 1, ~~any one of claims 3 to 8, characterized in that~~ wherein the securing means ~~[[6]]~~ is provided with an electrically isolating coating.

10. (Currently Amended) The device according to claim 1, ~~any one of claims 3 to 9, characterized in that~~ wherein the at least one occlusion helix ~~[[3]]~~ ~~is provided at least on its~~ comprises an inner side with an electrically isolating coating.

11. (Currently Amended) The device according to claim 1, ~~any one of claims 1 to 10, characterized in that~~ wherein the at least one occlusion helix ~~[[3]]~~ is provided with a plurality of ~~several~~ spaced electrolytically corrodible severance elements ~~[[2]]~~.

12. (Currently Amended) The device according to claim 1, ~~any one of claims 1 to 10, characterized by several~~ further comprising a plurality of spaced occlusion helices ~~[[3]]~~, with an ~~one~~ electrolytically corrodible severance element ~~[[2]]~~ ~~each being~~ arranged between each of the individual spaced occlusion helices ~~[[3]]~~.

13. (Currently Amended) The device according to claim 11 ~~or 12, characterized in that~~ further comprising a one securing means ~~[[6]]~~ ~~each is~~ arranged in ~~the~~ a segment~~[[s]]~~ of the at

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least one occlusion helix ~~[[3]]~~ located between the plurality of spaced electrolytically corrodible severance elements ~~[[2]]~~ ~~or in the individual occlusion helices (3)~~.

14. (Currently Amended) The device according to claim 13, ~~characterized in that wherein~~ at least ~~some one~~ one of the securing means ~~(6) in each case~~ extends from one stabilization helix ~~[[5]]~~ connected by a severance element ~~[[2]]~~ to the next distally located stabilization helix ~~[[5]]~~.

15. (Currently Amended) The device according to claim 13, ~~characterized in that wherein~~ at least ~~some one~~ one of the securing means ~~[[6]]~~ extends from one severance element ~~[[2]]~~ to the next distally located severance element ~~[[2]]~~.

16. (Currently Amended) The device according to claim 11, ~~any one of claims 11 to 15,~~ ~~characterized in that wherein~~ the plurality of spaced electrolytically corrodible severance elements ~~[[2]]~~ are connected with each other so as to be electrically conductive via the securing means ~~[[6]]~~ extending through the lumen of the at least one occlusion helices ~~(3)~~.

17. (Currently Amended) The device according to claim 1, ~~any one of claims 1 to 16,~~ ~~characterized in that wherein~~ the electrically isolating adhesion layers ~~(7, 9) and/or the electrically isolating coatings (11) consist of~~ comprises an acrylate adhesive.

18. (Currently Amended) The device according to claim 217, ~~characterized in that wherein~~ the electrically isolating coating comprises an acrylate adhesive ~~is PermaBond~~.

19. (Currently Amended) The device according to claim 1, ~~any one of the claims 1 to 18,~~ ~~characterized in that wherein~~ the at least one electrolytically corrodible severance element ~~[[s (2)]]~~ ~~are made of~~ comprises a steel alloy material.

20. (Currently Amended) The device according to claim 1, ~~any one of the claims 1 to 19,~~ ~~characterized in that wherein~~ the at least one electrolytically corrodible severance elements ~~(2)~~ ~~are~~ is pre-corroded.

21. (Currently Amended) The device according to claim 1, ~~any one of claims 1 to 20,~~ ~~characterized in that wherein~~ the occlusion helices ~~(3) are made of~~ comprise the material selected from the group consisting of platinum ~~or~~ a platinum alloy, ~~in particular~~ and a platinum-iridium alloy.

22. (Currently Amended) The device according to claim 1, ~~any one of the claims 1 to 21,~~ ~~characterized in that wherein~~ the insertion aid is a guide wire ~~[[4]]~~.

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23. (Currently Amended) The device according to claim 1, ~~any one of the claims 1 to 22,~~
~~characterized in that~~ wherein said device is ~~provided in the form of~~ a micro-catheter ~~[(1)]~~.

24. (Cancelled)